
Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=9; day=19; hr=13; min=26; sec=20; ms=601;]

Validated By CRFValidator v 1.0.3

Application No: 09892613 Version No: 5.0

Input Set:

Output Set:

Started: 2008-09-19 12:29:24.990

Finished: 2008-09-19 12:29:29.744

Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 754 ms

Total Warnings: 71
Total Errors: 0

No. of SeqIDs Defined: 71

Actual SeqID Count: 71

Error code		Error Description					
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W	402	Undefined organism found in <213> in SEQ ID (2)					
W	213	Artificial or Unknown found in <213> in SEQ ID (3)					
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W	402	Undefined organism found in <213> in SEQ ID (18)					
W	213	Artificial or Unknown found in <213> in SEQ ID (19)					
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Input Set:

Output Set:

Started: 2008-09-19 12:29:24.990 **Finished:** 2008-09-19 12:29:29.744

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Total Warnings: 71

Total Errors: 0

No. of SeqIDs Defined: 71

Actual SeqID Count: 71

Error code		Error Description
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W	213	Artificial or Unknown found in <213> in SEQ ID (22)
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SEQUENCE LISTING

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                                                                    120
ccgggaaagg ggctggagtg ggtcgcatac attagtagtg gtggtggtac cacctactat
                                                                    180
ccagacactg tgaagggccg attcaccatc tccagagaca atgccaagaa ctccctgtac
                                                                    240
ctgcaaatga acagtctgag ggtggaggac acagccttat attactgtgc aagacatagt
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<213> Chimaera sp.
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10

15

5

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<211> 57 <212> DNA

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       encoding amino acid 43-59 of the VH region(SEQ ID No. 2). The
       primer overlaps with the template by 21 nucleotides.
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<211> 132
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<213> Artificial Sequence
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<223> C-terminal is a synthetic sense-strand oligonucleotide encoding
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       PCR-amplified by two primers (SEQ ID No 7 and 8)
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<221> V_region
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ttcaccatct ccagagacaa tgccaagaac tccctgtacc tgcaaatgaa cagtctgagg
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gtggaggaca cagccttata ttactgtgca agacatagtg gctacggtag tagctacggg
                                                                     120
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gttttgtttg ct
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<223> 5' Primer is a synthetic sense-strand oligonucleotide encoding

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<211> 60
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<210> 8
<211> 57
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<223> 3' Primer is a synthetic anti-sense-strand oligonucleotide
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      primer and the template overlaps by 21 nucleotides.
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<221> primer_bind
<222> (1)..(57)
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                                                                     57
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<221> V_region
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ggtaaggete egaaaeteet gatetaetae actagtatat taeaeteagg agteeeatea 180 aggttcagtg gcagtgggtc tggaacagaa tttactctca ccattagctc cctgcagcca 240 gaagattttg ccacttactt ttgccaacag ggtaatacgc ttccgtggac gttcggtgga 300 ggcaccaagg tggaaatcaa a 321 <210> 10 <211> 107 <212> PRT <213> Chimaera sp. <400> 10 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly 10 Asp Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr 25 20 Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Ile 35 40 45 Tyr Tyr Thr Ser Ile Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly 50 55

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro 65 70 75 80

Glu Asp Phe Ala Thr Tyr Phe Cys Gln Gln Gly Asn Thr Leu Pro Trp 85 90 95

Thr Phe Gly Gly Thr Lys Val Glu Ile Lys 100 105

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<213> Artificial Sequence

<220>

<223> N-template is a synthetic sense-strand oligonucleotide encoding amino acid 11-46 of the VL region (SEQ ID No. 10). The template is PCR-amplified by two primers (SEQ ID No. 12 and 13)

<220>

<221> V_region

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<222> (1)..(108)
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ctgtctgcct ctgtgggaga cagagtcacc attagttgca gggcaagtca ggacattagc
aattatttaa actggtatca gcagaaacca ggtaaggctc cgaaactc
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<210> 12
<211> 51
<212> DNA
<213> Artificial Sequence
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<223> 5' Primer is a synthetic sense-strand oligonucleotide encoding
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gatatccaga tgacccagtc tccatcctcc ctgtctgcct ctgtgggaga c
                                                                     51
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<211> 40
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<213> Artificial Sequence
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<223> 3' Primer is a synthetic anti-sense-strand oligonucleotide
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<222> (1)..(40)
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<223> C-terminal is a synthetic sense-strand oligonucleotide encoding
      amino acid 59-98 of the VH region (SEQ ID No 10) The template is
```

PCR-amplified by tow primers (SEQ ID No 15 and 16)

```
<221> V_region
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ccatcaaggt tcagtggcag tgggtctgga acagaattta ctctcaccat tagctccctg
                                                                     60
caqccaqaaq attttqccac ttacttttqc caacaqqqta atacqcttcc qtqqacqttc
                                                                  120
<210> 15
<211> 49
<212> DNA
<213> Artificial Sequence
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<223> 5' Primer is a synthetic sense-strand oligonucleotide encoding
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      the primer overlaps with the 5'end of the template by 21
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<220>
<221> primer_bind
<222> (1)..(49)
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ctacactagt atattacact caggagtccc atcaaggttc agtggcagt
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<211> 48
<212> DNA
<213> Artificial Sequence
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<223> 3' Primer is a synthetic anti-sense-strand oligonucleotide
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      primer and the template overlaps by 21 nucleotides.
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<223> FR-patched heavy chaim variable region sequence (Full DNA
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<220>

Sequence) formed by joining the N- and C- terminal (SEQ 19 and 22) halves at the KpeI site.

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Ala Arg Ser His Tyr Gly Ser Asn Tyr Val Asp Tyr Phe Asp Tyr Trp

105

110

100

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<221> V_region
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                                                                     114
tacaatatgc actgggtacg gcagcctcct ggaaggggcc tggaatggat tgga
<210> 20
<211> 57
<212> DNA
<213> Artificial Sequence
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<223> 5' Primer is a synthetic sense-strand oligonucleotide encoding
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<221> primer bind
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<210> 21
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<212> DNA
<213> Artificial Sequence
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<223> 3' Primer is a synthetic anti-sense-strand oligonucleotide
      encoding amino acid 43-60 of the VH region (SEQ ID No 18).
```

primer and the template overlaps by 21 nucleotides.

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<222> (1)..(55)
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<212> DNA
<213> Artificial Sequence
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<223> C-terminal is a synthetic sense-strand oligonucleotide encoding
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<221> V_region
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gactctgcgg tctattactg tgcaagatcg cactacggta gtaactacgt agactacttt
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gactac
                                                                     126
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<223> 5' Primer is a synthetic sense-strand oligonucleotide encoding
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<212> DNA

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<213> Artificial Sequence
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<223> FR-patched light chaim variable region sequence (Full DNA
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                                                                     120
tcctcccca aaccetggat ttatgccaca tccaacctgg cttccggagt ccctagtcgc
                                                                     180
ttcagtggca gtgggtctgg gaccgagttc actctcacaa tcagcagttt gcagcctgaa
                                                                     240
gatttcgcca cttatttctg ccatcagtgg agtagtaacc cgctcacgtt cggtgctggg
                                                                     300
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accaagctga ccgttctacg g
<210> 26
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1
                                                        15
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20 25 30

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<223> 5' Primer is a synthetic sense-strand oligonucleotide encoding amino acid 1-15 of the VH region (SEQ ID No 26). The 3' end of the primer overlaps with the 5'end of the template by 21 nucleotides.

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<223> 3' Primer is a synthetic anti-sense-strand oligonucleotide
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      by 21 nucleotides.
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<222> (1)..(40)
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<211> 120
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<223> C-terminal is a synthetic sense-strand oligonucleotide encoding
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